

**RESEARCH ARTICLE**

# Performance evaluation of manual operated single row weeder for groundnut crop

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## ABSTRACT

An experiment was conducted to evaluate the field performance of developed manual operated weeder was carried out at Department of Farm Machinery and Power of College of Agricultural Engineering and Technology, Junagndh. Various parameters such as field capacity, weeding efficiency, draft requirement and performance index of the weeder were considered during the test. The developed weeder can work up to 4.0 cm depth of operation with field capacity of 0.0285 ha/h. highest weeding efficiency was obtained (*i.e.* up to 80.42%). draft requirement was 34.4 kg for 20 cm width of the weeder and the performance index of the developed weeder was obtained 1210.53 .

**KEY WORDS :** Weeder, Weeding efficiency, Field capacity, Field performance

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